

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/075732 A2

- (51) International Patent Classification⁷: **D21F 3/02**
- (21) International Application Number: PCT/EP2004/053688
- (22) International Filing Date:
23 December 2004 (23.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
10/768,485 30 January 2004 (30.01.2004) US
10/972,431 26 October 2004 (26.10.2004) US
- (71) Applicant (for all designated States except US): **VOITH FABRICS PATENT GMBH** [DE/DE]; St. Poeltener Str. 43, 89522 Heidenheim (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SCHERB, Thomas** Thoröe [BR/BR]; R. Nilza de Medeiros Martins, 200, ap., 81, bl 6, Jd. Colombo, CEP-05629010 Sao Paulo (BR). **WALKENHAUS, Hubert** [DE/DE]; Nachtigallenweg 38, 50169 Kerpen (DE). **HERMAN, Jeffrey** [US/US]; 42 Derwen Road, Bala Cynwyd, PA 19004 (US). **SILVA, Luiz Carlos** [BR/BR]; Rua Victory Savoia 46 Vila Tavares, 13230-000 Campo Limpo (BR).
- (74) Common Representative: **VOITH FABRICS PATENT GMBH**; St. Poeltener Str. 43, 89522 Heidenheim (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PRESS SECTION AND PERMEABLE BELT IN A PAPER MACHINE

(57) Abstract: A permeable belt, a belt press including a roll having an exterior surface and the permeable belt, and a method of drying or pressing a web with the permeable belt. The permeable belt can be tensioned to at least 30 KN/m. A side of the permeable belt has an open area of at least approximately 25% and a contact area of at least approximately 10% of at least 25%. This Abstract is not intended to define the invention disclosed in the specification, nor intended to limit the scope of the invention in any way.



WO 2005/075732 A2